

Title (en)

Deriving location information about a communicating entity

Title (de)

Ableitung von Aufenthaltsinformation über eine Kommunikationseinheit

Title (fr)

Détermination d'informations de localisation d'une unité de communication

Publication

EP 1143666 A3 20030528 (EN)

Application

EP 01302204 A 20010309

Priority

GB 0008364 A 20000406

Abstract (en)

[origin: EP1143666A2] Location information about a communicating entity (41), in particular a mobile entity, is derived by identifying intermediate nodes (42) along the communication path being used by the entity, and then looking up, in a database (44), the geographic significance of at least one of these nodes when considered in a direction along the communication path towards the entity of interest. Preferably, account is taken of any identified downstream / upstream nodes to refine the geographic significance of a node. The geographic significance information can be compiled by taking location fixes at a plurality of endpoint locations and associating the location data thus obtained with the intermediate nodes traversed when communication is effected from the corresponding endpoint locations. <IMAGE>

IPC 1-7

H04L 12/28; **H04Q 7/38**

IPC 8 full level

H04L 12/28 (2006.01); **H04L 12/56** (2006.01); **H04W 64/00** (2009.01)

CPC (source: EP US)

H04W 64/00 (2013.01 - EP US)

Citation (search report)

- [X] US 6016318 A 20000118 - TOMOIKE HIROYUKI [JP]
- [A] US 5848242 A 19981208 - BEHAGHEL DENIS [FR], et al
- [AD] WO 9955114 A1 19991028 - ERICSSON INC [US]
- [XDY] IMIELINSKI T ET AL: "GPS-BASED GEOGRAPHIC ADDRESSING, ROUTING, AND RESOURCE DISCOVERY", COMMUNICATIONS OF THE ASSOCIATION FOR COMPUTING MACHINERY, ASSOCIATION FOR COMPUTING MACHINERY. NEW YORK, US, vol. 42, no. 4, April 1999 (1999-04-01), pages 86 - 92, XP000934405, ISSN: 0001-0782
- [Y] NAVAS ET AL: "GeoCast - geographic addressing and routing", MOBICOM. PROCEEDINGS OF THE ANNUAL INTERNATIONAL CONFERENCE ON MOBILE COMPUTING AND NETWORKING, XX, XX, 26 September 1997 (1997-09-26), pages 66 - 76, XP002155093

Cited by

CN103324624A; US7231451B2; US8897231B2; WO0186894A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1143666 A2 20011010; **EP 1143666 A3 20030528**; GB 0008364 D0 20000524; US 2001041576 A1 20011115; US 7050815 B2 20060523

DOCDB simple family (application)

EP 01302204 A 20010309; GB 0008364 A 20000406; US 82114301 A 20010329